(b) whether such MoU also contains confidentiality/secrecy clause;

(c) whether competent authority received any communication from Scientific Workers' Association, during November, 2000 on violation of Confidentiality in the MoU signed during April, 1992 in the Project "Development of C12 cryogenic engine thrust chamber by electroforming of Nickel";

(d) if so, the action taken thereon; and

(e) whether clause 10 of above MoU distinctly elucidates that results emanating from above project are classified and secret, if so, the details thereof?

THE MINISTER OF STATE IN THE DEPARTMENT OF SPACE (SHRIMATI VASUNDHARA RAJE): (a) Yes, Sir.

(b) Yes, Sir.

(c) and (d) Yes, Sir. Department of Space/Indian Space Research Organisation (ISRO) received a communication from All India CSIR Scientific Workers' Association, Karaikudi. The matter has been reported to Department of Scientific and Industrial Research in the Ministry of Science and Technology since Central Electrochemical Research Institute (CECRI) is under the jurisdiction of the said Ministry.

(e) Clause 10 of the Memorandum of Understanding provides that all the information related to this agreement shall be treated as secret and the contents of design, process or any other documents shall not be divulged/disclosed or parted to any third party whatsoever. Government of India reserves the copyright of the drawings furnished by LPSC. CECRI is prohibited from further utilizing or passing of any of the design details or the details of the drawings in whole or part to any third party for using it by them for any exploitation, commercial or otherwise without the written permission of LPSC.

New satellite based augmentation system

3108. SHRI K. RAMA MOHANA RAO:
SHRI P. PRABHAKAR REDDY:

Will the PRIME MINISTER be pleased to state:

(a) whether the Indian Space Research Organisation has, in collaboration with the Airports Authority of India, built up a satellite-based

augmentation system (SBAS) to support seamless air navigation over the Indian airspace;

(b) if so, the details thereof including its specific advantages;

(c) whether ionospheric studies and modelling ionosphere have been completed; and

(d) by when the new SBAS is likely to be operational?

THE MINISTER OF STATE IN THE DEPARTMENT OF SPACE (SHRIMATI VASUNDHARA RAJE): (a) No, Sir. The Indian Space Research Organisation (ISRO) with the Airport Authority of India has undertaken a proof of concept Technology Demonstration System (TDS) for Satellite Based Augmentation System (SBAS).

(b) The TDS will have the necessary infrastructure in Space and on ground to demonstrate the concept. This will test the seamless navigation concept.

(c) Ionospheric and Tropospheric Modelling studies have been initiated.

(d) The operational SBAS will be planned after successful implementation of the Technology Demonstration System.

Meteorological Satellite

3109. SHRIMATI N.P. DURGA:
SHRI AIMADUDDIN AHMED KHAN (DURRU):

Will the PRIME MINISTER be pleased to state:

(a) whether India successfully launched first meteorological satellite into orbit;

(b) if so, the features thereof and the benefits that would accrue to the country from this satellite;

(c) the extent of success achieved and whether this would enable the country to undertake a mission to the moon;

(d) whether the country is developing such satellites for other countries also; and